

KRYGIER, Aleksandra; KASPRZYK, Kazimierz

The influence of hydrogen-ion concentrations and some other ions on metachromasia in staining mucopolysaccharides with toluidine blue. Acta medica polona 2 no.2:123-145 '61.

1. Department of Pathological Anatomy, Pomeranian Medical Academy,  
Szczecin Director: Prof. dr. Kazimierz Stojalowski.  
(MUCOPOLYSACCHARIDES chem)

POLAND

Z. KASPRZYK, L. KOCIBIAN and L. PASS, Department of Biochemistry,  
University of Warsaw (Katedra Biochemii, Uniwersytet Warszawski).

"The Constituents of Peony Flowers (*Peonia albiflora* Fall.). Petroleum  
Ether Extractives."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des  
Sciences Biologiques, Vol 10, No 11, 1962; Pp 457-461.

Abstract [English article]: Four compounds were isolated from dried  
petals of 3 varieties: 1 is probably 13-methyl-myristic acid, 2 beta-  
sitosterol, 3 pentacosan, and 4 an as yet unidentified oily substance.  
Four infrared spectra, 2 tables, analytical data; 7 Western references.

1/1

KASPRZYK, Mieczyslaw; KLIMEK, Rudolf.

A case of labor following a 10-year absence of menstruation.  
Pol. tyg. lek. 18 no.45:1694-1695 4 N°63.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Krakowie.  
Kierownik Kliniki: prof. dr.Stefan Schwarz.

\*

*KASPRZYK, MIECZYSŁAW*  
OLSZEWSKI, Zdzisław; KASPRZYK, Mieczysław; HETNAL, Mieczysław.

Case of infanticide in a patient simulating threatened abortion.  
Polski tygod. lek. 12 no.33:1283-1285 12 Aug 57.

1. Z I Kliniki Położnictwa i Chorob Kobietych A. M. w Krakowie:  
kierownik: prof. dr S. Schwarz i z Zakładu Medycyny Sądowej A. M.  
w Krakowie; dyrektor: prof. dr J. Olbrycht. Adres: Krakow ul,  
Basztowa 23/2.  
(INFANTICIDE,  
unusual case (Pol))

BEDNARZ, Stanislaw; KASPRZYK, Stanislaw

Transition process in a nonlinear hydraulic system. Rozpr inż  
PAN 12 no.3:447-453 '64.

1. School of Mining and Metallurgy, Krakow.

KASPRZYK, S.

KASPRZYK, S.

Evaluation of seeds is a guarantee of their rational use, p. 24. (LAS POLSKI, Warszawa, Vol. 27, no. 3, Mar. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955,  
Uncl.

KASPRZYK, S.

KASPRZYK, S. We obtain industrial firewood. p. 28

Vol. 29, no. 10, Oct. 1955

LAS POLSKI  
AGRICULTURE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

KASPRZYK, S.

KASPRZYK, S. From the exhibition of machinery used in lumbering. p. 23.

Vol. 29, no. 12, Dec. 1955

IAS POLSKI  
AGRICULTURE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957



KASPRZYK, ST.

"Tablice miąższości drewna okrągłego" (Table of the compactness of round timber),  
by St. Kasprzyk. Reported in New Books (Nowe Książki), No. 12, June 15, 1956.

KASPRZYK, S.

Selection of trees as an important factor in increasing the yield of our forest.

p. 23.

(Las Polski, Warszawa, Vol. 30, no. 9, Sept. 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

COUNTRY : POLAND  
CATEGORY : Chemical Technology. Chemical Products and Their  
Applications. Pesticides.  
ABS. JOUR. : RZhKhim., No 10, 1959, No. 68961  
AUTHOR : Kasprzyk, S.  
INSTITUTE :  
TITLE : Chemical Extermination of Borers in Forestry  
ORIG. PUB. : Las polski, 1959, 33, No 1, 16-17  
ABSTRACT : No abstract.

Card:

1/1

II - 62

KASPRZYK, S.

The German Federal Republic imports one third of its lumber and forest products. p. 17.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 8, Apr. 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.  
Uncl.

KASPRZYK, S.

Polish forests and forestry in the light of statistics. II. p. 3.

LAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 10, May 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.  
Uncl.

KASPRZYK, STEFAN

Chemical Abst.  
Vol. 48 No. 3  
Feb. 10, 1954  
Fuels and Carbonization Product

Control of the completeness of combustion on the basis of the Bunte square diagram. Stefan Kasprzyk. *Biul Inst. Nauk.-Badawcz. Przemyslu Węglow.* (Katowice), Komun. No. 33, 30 pp. (1948).—Equations are derived for taking into account the inert constituents, i.e.  $\text{CO}_2$  and N, present in fuel when constructing a Bunte diagram. The Bunte diagram can be used to det. loss in combustion efficiency as shown by unburnt C (soot and coke) in the flue gases. By comparing the results of an accurate analysis of the fuel with those of flue-gas analysis, a graphical method is evolved for detg. the loss caused by C formation. Application of the method is illustrated by a series of examples in which the  $\text{CO}$ , H, and  $\text{CH}_4$  content of the flue gases is taken into account.  
Bruno C. Metzner

2-21-54  
JJP  
LM

PTA KASPRZYK, S.

4

1402

621.133.22 : 662.6

Kasprzyk S. Possibilities of Adaptation of Furnace Grates for Combustion of Inferior Kinds of Fuel.

„Możliwości przystosowania palenisk ruchomych do spalania gorzszych gatunków paliw”. Energetyka. No. 7—8, 1951, pp. 196—203. 13 figs.

The problem of combustion of inferior kinds of fuel in professional and industrial power practice. Adaptation of furnace grates to fuels with high ash content. Characteristic faults of travelling grates. Soviet W.T.I. system two-stage grates of new and improved

design. Pneumatic fuel spreaders as a means for improving old-stem furnace grates.

PRZYK, S.

1793

621 1817

Kasprzyk S. An Estimate of the Performance of New Grate Stoker  
Furnace Based on the Operation Results of a Test Boiler Plant.

„Ocena pracy nowych palenisk rusztowych na tie wyników eksploatacji próbnej instalacji kurtowej” Energetyka No 1, 1954, pp 4-10.  
3 figs., 1 tab.

A description is given of the design and performance of a test boiler plant comprising two boilers. One of them is equipped with a reciprocating overfeed stoker with a oil drive, and the other with a flat grate of a more modern type and a pneumatic fuel feed. Test results of the two boilers are given in table form for comparison. On the basis of the operation data obtained, a detailed analysis is carried out of the possibilities of modernizing existing boiler plants and of criteria justifying the step.



KASPRZYK, S

1950

621 18 : 662.6.004.34

Kasprzyk S. Suggestions Based on Working Experience and Measurements, for Improving Boiler Working in Industrial Power Plants.

"Wytyczne usprawnienia pracy kotłów w energetyce przemysłowej w świetle doświadczeń ruchowych i pomiarów." Gospodarka Ciepła-Energetyka Przemysłowa No 4. 1954, pp 31-34, 7 figs. 2 tabs.

Thermal measurements of boilers make it possible to achieve more economical heat management in boilerhouses, since condition of exploitation and overhaul of boilers is improved and rebuilding and modernization facilitated. Influence on working efficiency of impurities adhering to the heating surfaces of flue boilers, indications for correct operating methods. The author describes the methods used for preventing smoke flue from being clogged with ashes, and for protection against other disturbances in the correct functioning of water tube boilers. Methods, based on working experience in a boiler room, of improving the efficiency of boiler houses by properly made inspections of the smoke flues and chamber drafts. Estimates of the working value of chamber water-tube boilers and of the older section type are given, and the possibilities of increasing both the capacity and the efficiency of such boilers are analysed. Common disadvantages of movable firing grates of the

boilers mentioned above; the influence on boiler efficiency of draft and forced draft, state of a fire box and quality of fuel. Methods of adapting movable grates of older types, for burning fine-grained coal and, in particular coal slack.

MN

KASPRZYK, S.

Possibilities of economic use of feed-water combustion heaters.

p. 117  
Vol. 9, no. 3, May/June 1956  
ENERGETYKA  
Stalinogrod

SO: Monthly List of East European Accessions (EFAL), LC, Vol. 5, no. 2  
Feb. 1956

COUNTRY:	: Poland	R-22
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	19371
AUTHOR	: Kasprzyk, S.	
INST.	: Not Given	
TITLE	: A Method for the Approximate Determination of the Heating Value and Elementary Composition of Coals Used in the Firing of Boilers	
ORIG. PUB.	: Koks, Smola, Gaz, 4, No 3, 125-130 (1959)	
ABSTRACT	: The author has made a systematic classification of contemporary methods for the determination of the heating value and general chemical structure of the organic mass in coals, as well as methods for the determination of coal composition from data on the analysis of the combustion products, and presents graphic illustrations of the dependence between the basic parameters. It is shown that for the control of the operation of boilers and the calculation of heat balances, it is sufficient to	
CARD:	1/2	

CATEGORY	:	R-22
ABS. JOUR.	: RZKhim., No. 5 1960, No.	19371
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	: have at hand data on the analysis of the coal, ash, and flue gases; the heating value and elementary composition of the coal can be determined by the use of statistical data on the type of coal used, characterizing the effect of ash content on fuel quality, and the results of ash and flue gas analyses. The bibliography lists 11 titles.	
CARD:	2/2	

KASPRZYK, Stefan, mgr., inż.

A device for the determination of the state of low-pressure wet steam at the outlet of a condensing turbine by means of the mixing method.  
Ciepł. masz. przepływ. no. 37/38:101-111. '62

1. Katedra Teorii Maszyn Ciepłych, Politechnika Śląska, Gliwice.

KASPRZYK, Stefan

Calorimeter for the determination of the enthalpy of wet low-pressure steam at the outlet of a condensing turbine. Archiw bud masz 10 no. 4: 333-345 '63.

1. Politechnika, Gliwice.

KASPRZYK, Stefan, dr inz.

Calorimeter for the determination of the state of low-pressure wet steam at the exit from the condenser chamber.  
Przegl mech 22 no. 23:736 10 D '63.

1. Department of Theory of Fluid Flow Machines, Silesian Technical University, Gliwice.

JEDROSZ, Jacek, inz.; KASPRZYK, Tadeusz, inz.

Preparation of the scale of standards for the metallographic  
evaluation of nonmetallic inclusions in low-carbon steels.  
Huta Lenina Prace no.12:123-127 '62.

KASPRZYK, Zofia

History of studies on photosynthesis. Postepy biochem. 4 no.3:313-320  
1958.

1. Doc. dr prac. Zakladu Fizjologii Roslin Uniwersytetu Warszawskiego.  
(PHOTOSYNTHESIS,  
hist. of research (Pol))

PONBERG, Monika, mgr; KASPRZYK, Zofia, doc. dr.

Department of Biochemistry, University (Katedra Biochemii Uniwersytetu),  
Warsaw - (for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1181-1188.

"The comparative colorimetric determination of terpenoid compounds as  
complexes with antimonite, cobaltous and ferric chlorides."



KASPRZYK, Z.

The history of research on photosynthesis. p. 313

POSTĘPY BIOCHEMI. (Polska Akademia Nauk. Komitet Biochemiczny)  
Warszawa. Vol. 4, no. 3, 1958  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

KASPRZYK, Zofia

The primary reactions in photosynthesis. Postepy biochem. 8 no.1:  
53-71 '62.

(PHOTOSYNTHESIS)

JACHYMCIZYK, Witold; KASPRZYK, Zofia

1. terpenoid saponins of the Compositae family. Pt.3. Roczniki chemii 36 no.11:1615-1624 '62.

1. Department of Biochemistry, University, Warsaw.

KASPRZYK, Zofia

Biological photosynthesis; the fundamental source of organic matter. Przem chem 41 no.8:413-417 Ag '62.

1. Katedra Biochemii, Uniwersytet Warszawski, Warszawa.

KASPRZYK, Z.; KOCHMAN, K.; PASS, L.

The constituents of peony flowers (*Peonia albiflora* Pall.);  
petroleum ether extractives. *Bul Ac Pol biol* 10 no.11:457-  
461, '62.

1. Department of Biochemistry, University, Warsaw. Presented  
by J.Heller.

\*

KASPRZYK, Zofia

The conformational structure of sugars - naming of conformers.  
Postepy biochem. 10 no.2:195-213 '64.

KASPRZYCKI, Wladyslaw, mgr inz.

Restriction in electric power supply in Poland and methods of  
calculating its economic effects. Gosp paliw 11 no.6:224-226  
Je '63.

KASPRZYCKI, Wladyslaw, mgr inz.

Calculation of economic advantages obtained by decreasing  
power deficiencies in an electric power system. Gosp paliw 11  
no.7:264-265 J1 '63.

1. Instytut Energetyki, Warszawa.



KASPRZYCKI, Wladyslaw, mgr ins.

Analysis of inquiries and measurements concerning the consumption of electric power in households in cities and towns. Energetyka Pol 18 no.12:373-377 D '64.

1. Institute of Power Engineering, Warsaw.

KASPRZYKOWNA, Z.

1853

517.918 : 532.938

Kasprzykówna Z. Biologically Active Substances in Calendula Off.  
 „Substancje czynne nagietka”. (Prace Gl. Inst. Chem. Przem. No. 3),  
 Warszawa, 1951, PWT, 12 pp., 14 figs., 2 tabs.

The following compounds were isolated from the dried flowers of  
*Calendula officinalis*, a herb used in dermatology: 1) a new mono-  
 hydric triterpene alcohol  $C_{45}H_{80}O$  and MP 192–193°; benzoate, MP  
 240–241°, acetate MP 216–217°, the reduction product MP 207–213°;  
 2) a triterpenoid saponin. The qualitative and quantitative composi-  
 tion of the sugar component of the saponin was found to be as follows:  
 $C_{12}H_{22}O_{11}$  (Saponin) +  $7H_2O$  =  $C_{45}H_{80}O_7$  (Oleonic acid) +  $C_6H_{12}O_5$   
 (Methyl pentose) +  $C_6H_{10}O_7$  (Uronic acid) +  $5C_6H_{12}O_5$  (Galactose).

KASPRZYKOWNA, Z.; JACHYMCIK, W.

Triterpene saponins in Compositae. II. Saponins in Helianthus annuus flowers. Acta biochem. polon. 3 no.3:299-308 1956.

1. Z Katedry Fizjologii Roslin i Katedry Chemii Organicznej  
Uniwers. Warsz.

(SAPONINS, determination,  
triterpene saponins in Helianthus annuus flowers (Pol))  
(HELIANTHUS,  
annuus, determ. of triterpene saponins (Pol))

KASPRZYKOWSKI, W., mgr inż.

Grinding machine for the working of optical parts.  
Pomiary 9 no.1:43-44 Ja '69.

KASPRZYKOWSKI, W. mgr inż.

Instrument for measured pouring of ballast under railway tracks.  
Pomiary 8 no.11:543 N '62.

KASPSHAK, M.I., inzh.; NOVOSEL'TSEV, P.I., inzh.

GT- 1 hydraulic brakes for electric mine locomotives. Ugol' Ukr.  
3 no.6;37-38 Je '59. (MIRA 12:11)  
(Electric locomotives--Brakes)

KASPSHIK, M., CAND BIO SCI, "~~RELATION OF THE GROWTH, DE-~~  
VELOPMENT, AND MINERAL NUTRITION OF TOMATOES <sup>as a function of light</sup> ~~TO THE REGIMEN~~  
<sup>and darkness regimes,</sup> ~~OF LIGHT AND DARK.~~ MOSCOW, 1961. (MOSCOW ORDER OF LENIN  
AGR ACAD IM K. A. TIMIRYAZEV). (KL, 2-61, 204).

-80-

KRASTINA, Ye.Ye.; GUNAR, I.I.; KASPSHIK, M.

Role of external and internal factors in the daily dynamics of  
root feeding in tomatoes. Izv. TSKhA no.6:32-42 '61.  
(MIRA 16:8)

(Tomatoes) (Plants--Nutrition)  
(Plants, Effect of light on)



POLAND/Microbiology - Industrial Microbiology.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 14749

F-3

Author : Buyak, Kaspshitskaya

Inst : -

Title : Yeast Microflora of Potato Ensilage.

Orig Pub : Acta microbiol. polon., 1956, 5, No 3-4, 401-410

Abstract : A study was conducted on potato ensilage with an admixture of 5 and 10% of clover, and ensilage without admixtures. An increase in the number of yeast cells and the concentration of reducing substances in the course of fermentation ~~is~~ stimulated by the addition of clover. No correlation was found between the concentration of reducing substances and the number of yeast cells. 10 strains of *Saccharomyces* sp., 5 strains of *Torulopsis* and 16 strains of *Mycoderma* were isolated from the ensilage.

Card 1/1

KASRADZE, A., geroy sotsialisticheskogo truda

Study mining engineering. Mast. ugl. 4 no. 8:14 Ag'55. (MIRA 8:10)

1. Prokhodchik shakhty imeni Lenina kombinata Gruzugol'  
(Mining engineering--Study and teaching)

KASRASHVILI, G.S.; PETROV, I.K.

New method for measuring cutting forces on machines having  
reciprocating motion of cutting tools. Priborostroenie  
no.4:22-23 Ap '60. (MIRA 13:6)  
(Metal cutting) (Electronic instruments)

15-57-3-3769D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,  
p 184 (USSR)

AUTHOR: Kasrashvili, Sh. G.

TITLE: The Solution of Some Problems on Proposed Mountain  
Trenches for Railroads (Razresheniye otdel'nykh  
zadach proyektirovaniya nagornykh kanav zheleznodoro-  
zhnogo puti)

ABSTRACT: Bibliographic entry on the author's dissertation for  
the degree of Candidate of Technical Sciences, presented  
to the Tbilissk. in-t inzh. zh-d. transp. (Tbilisi Railroad  
Engineering Institute), Tbilisi, 1956

ASSOCIATION: Tbilissk. in-t inzh. zh-d. transp. (Tbilisi Railroad  
Engineering Institute)

Card 1/1

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 62 (USSR) SOV/124-58-10-11140

AUTHOR: Kasrashvili, Sh. G.

TITLE: A Practical Method for the Design of Side-hill Drainage Trenches  
(Prakticheskiy metod rascheta nagornykh kanav)

PERIODICAL: Nauchn. soobshch. Tbilissk. in-t inzh. zh. -d. transp. 1957,  
Nr 16, 11 pp, ill.

ABSTRACT: The author suggests a method for the design of side-hill drainage trenches which takes into account the continuous water runoff from the ground above the trench. This continuity is taken into account by the introduction of a correction factor into the value of the roughness coefficient  $n^* = n\sqrt{K_T}$ . The correction of the value of the roughness coefficient for the transit discharge is determined from the formula

$$K_T = 1 + \frac{qh}{Q} + \frac{v^2}{gh} \frac{1}{I_f}$$

Card 1/2 where  $q$  is the specific discharge of water;  $Q$  is the total discharge

A Practical Method for the Design of Side-hill Drainage Trenches SOV/124-58-10-11140

of water on the calculated section of the trench;  $h$  and  $v$  are the depth and mean velocity of the current, and  $l_f$  is the slope of the bottom of the trench. A comparison is presented of the design of trenches by the usual method and in accordance with the method suggested in the paper under review. The depths in the given sections are somewhat greater when arrived at according to the method suggested by the author than when calculated in the usual manner. Taking into account a greater accuracy in the determination of the water depths in side-hill drainage trenches, the author suggests a decrease of the permissible height of the berm of the ditch over the calculated horizon to 0.15 m (instead of 0.25 m provided in the technical specifications for the design of railroads).

Ya. D. Gil'denblat

Card 2/2

KANIAK, Jozef; KASZAKOWA, Janina

Clinical aspects and therapy of primary recurrent thrombophlebitis.  
Polskie arch. med. wewn. 28 no.5:760-762 1958.

1. Z Zakladu Interny Instytutu Doskonalenia i Specjalizacji Kadr.  
Lekarskich Oddzial we Wroclawiu na bazie Szpitala Wojewodzkiego  
Kierownik: prof. dr med. J. Kaniak. Adres autora: Wroclaw, ul.  
Szymanowskiego 1.

(THROMBOPHLEBITIS,  
idiopathica recurrens (Pol))





KASSA, Laszlo, dr.; MAJOR, Kalman, dr.

Unusual developmental disorder. Magy. noorv. lap. 18 no.6:  
374-375 Nov 55.

1. A Ozdi Jarasi Korhaz (Igazgato: Szell, Endre dr.) Szuleszet-  
Nogyogyaszati osztalyanak (Foorvos: Major, Kalman dr.) kozlemenye.  
(MONSTERS  
unusual case.)

KASSA, Laszlo, dr.; MAJOR, Kalman, dr.

Advanced abdominal pregnancy with eclampsia. Nepegaszsegugy 37 no.2:  
57-59 Feb 56

1. Az Ozdi Varosi Korhaz (igazgato: Szell Endre dr.) szuleszet-  
nogyogyaszati osztalyanak (foorvos:Major Kalman dr.) kozlemenye.

(PREGNANCY, ECTOPIC

abdom., with eclampsia & stillbirth, recovery (Hun)

(ECLAMPSIA

in abdom. pregn., causing stillbirth, recovery (Hun)

(STILLBIRTH, etiol. & pathogen.

eclampsia in abdom.pregn., (Hun)

KASSA, LASSLO  
MAJOR, Kalman; KASSA, László

Transfusions in the therapy of puerperal septic thromboembolism.  
Magy. orv. lap. 21 no.1:63-64 Feb 58.

1. Az oxdi városi kórház (igazgató: Antalfy István dr.) szülészeti  
osztályának (főorvos: Major Kalman dr.) közleménye.

(PUERPERIUM, compl.

thromboembolism & septicemia, ther., blood transfusions  
(Hun))

(THROMBOEMBOLISM, ther.

blood transfusions in puerperal thromboembolism with  
septicemia (Hun))

(SEPTICEMIA AND BACTEREMIA, ther.

blood transfusion in puerperal septicemia with thrombo-  
embolism (Hun))

(BLOOD TRANSFUSION, in various dis.

septicemia & thromboembolism, puerperal (Hun))

KASSA, Laszlo, dr.

Results obtained with medicinal ataraxia in obstetrics and  
gynecology. Magyar. orv. lap. 21 no.1:52-55 Ja '60.

1. Az ozdi Varosi Korhaz (igazgato: Major Kalman dr.)  
szuleszet-nogyogyaszati osztalyanak (foorvos: Major Kalman dr.)  
kozlemenye.

(TRANQUILIZING AGENTS ther)

(GYNECOLOGY ther)

(OBSTETRICS)

KASSA, Vladimir, inz.

Batteries for transistor radio receivers. Sdel tech 13 no.2:68-  
69 F '65.

KASSA, Vladimir, inz.

Some properties of transistor IF amplifiers in considering the  
internal transistor feedback. Sdel tech 12 no.11:414-415 N '64.

L 34750-66 FSS-2/EEC(k)-2/T-2/EMP(t)/ETI IJP(c) ID/WWW/TT/CC/AT  
SOURCE CODE: BU/0011/65/018/007/0611/0613  
ACC NR: AP6026269

AUTHOR: Kassabov, I.; Bakalska, S.

ORG: Institute of Physics, BAN

TITLE: Phosphorus diffusion during solar silicon cell production

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 7, 1965, 611-613

TOPIC TAGS: solar cell, silicon single crystal, phosphorus, sublimation, physical diffusion

ABSTRACT: The known methods for silicon solar cell production by phosphorus diffusion are still quite complex and unsuitable for industrial purposes (see, e.g., J. Mandelkorn et al., J. Electrochem. Soc., 109, 1962, No 4; I. M. Mackintosh, Ibid., 109, 1962, No 5). The present paper offers a new phosphorus diffusion method which produces highly efficient solar battery elements without requiring special and expensive apparatus or auxiliary materials. It can be also easily adapted to mass production (I. Kassabov, S. Bakalska, Author's certificate No 10759 from 6. 12. 1963, People's Republic of Bulgaria). A  $P_2O_5$  layer is deposited on silicon wafers at a relatively low temperature. Subsequent phosphorus diffusion is achieved at high temperature in an open furnace directly in the air. The  $P_2O_5$  layers are deposited by sublimation onto the silicon wafers' quartz tube containers. Solar cells thus obtained have an

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ACC NR: AF6026269

efficiency of more than 12%. They are made from single crystal silicon with a resistivity of about 2 Ohm/cm at a diffusion temperature of 1000 °C over a 10 minute period. This paper was presented by Academician G. Nadjakov on 16 March 1965. Orig. art. has: 3 tables. [Orig. art. in Eng.] [JPRS: 33,545]

SUB CODE: 10, 14 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 002  
OTH REF: 004

Card 2/2 ULR



ACC NR: AP6032914

SOURCE CODE: BU/0011/66/019/008/0705/0708

AUTHOR: Kassabov, J. ; Popova, L. ; Kolentsov, K. 20

ORG: Institute of Physics, Bulgarian Academy of Science

TITLE: Method for the isolation of solid-state circuits through diffusion 2

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 8, 1966, 705-708

TOPIC TAGS: solid state, silicon semiconductor, circuit, silicon wafer, solid state circuit, semiconductor, silicon crystal

ABSTRACT: A method is described for isolating passive components, such as phosphorus, from common wafers used in integrated semiconductor circuits. The method is based on the planar diffusion of separated n-regions and the inhibition of leakage in the inversion layer, between the n-regions, through a  $p^+$  network. Diffusion was effected in an open quartz tube at  $1050^{\circ}\text{C} \pm 1^{\circ}\text{C}$  for 30 min. After a prediffusion layer was formed, the specimens were washed in distilled water, using ultrasound to enhance the cleansing process. The method makes it possible to obtain diffusion layers with a surface concentration of  $9 \cdot 10^{15}$  to  $2 \cdot 10^{18} \text{ cm}^{-3}$ ,

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L 09559-07

ACC NR: AP6032914

whose resultant homogeneity makes them suitable for use in integrated solid-state circuits. Paper presented by Academician G. Nadjakov of the Bulgarian Academy of Sciences on May 5, 1966. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 005/

2/2

MECHERIN, J. [Kasakov, I.]

New method for measuring p-n junction depth in silicon solar cells. Doklady BAN 17 no. 3: 13-16 '62

1. Submitted by Academician G. Nadjakov [Nadzhakov, G.]

EXCERPTA MEDICA Sec 16 Vol 7/12 Cancer Dec 59

**\*5166. Plasmacellular leukaemia associated with Paget's disease** Paget kórral szövődött plazmasejtes leukaemia. KASSAI A., SÜLYÖK D. and SZÁSZ G. A Fejérmegyei Tanács Kórháza *Mag. Onkol.* 1956, 3 2 (85-90) Illus. 8

A report is given on a 68-year-old woman, in whom Paget's disease of the roof of the skull was found by means of X-ray examination. Westergren: 115 mm. hr. Serum protein: 8.43%; leucocyte count: 5,600. A considerable hepatosplenomegaly was found. In the serum plasma cells were found in 34% in the material obtained by puncture of the spleen they were found in 17.2%. On autopsy a plasma-cell infiltration was found, especially in the spleen and the lymph nodes. On microscopical examination the bone of the roof of the skull showed the changes characteristic of Paget's disease. Plasma-cell foci were also found in these bones. It is thought that the plasmocytoma, which was of extramedullary origin had secondarily infiltrated the cranial bones. It is also possible that a genetical correlation exists between ostitis deformans Paget and plasma-cell leukaemia, since it is known that in ostitis deformans various malignant tumours may develop in the affected bones.

Juhász - Budapest (XVI, 5\*)

KASSAI, Antal.

Rational method of autopsy of external and internal sex organs.  
Kiserletes orvostud. 7 no.2:220-221 Mar 55.

1. Fejermegyei Tanacs Korhaz Prosecturaja.

(GENITALIA,  
autopsy)

(AUTOPSY,  
of genitalia)

HARGITALI, Rezső; KASSAI, Antal; UDVARDY, Odon

Cerebral abscess in infant caused by sewing needle. Orv. hetil.  
98 no.30:829-832 28 July 57.

1. A Fejérmegyei Tancs Kórház (igazgató: Korösy Ferenc dr.)  
Fertözo-osztályának Kóroactani Laboratóriumának és Idegösztályának  
közleménye.

(BRAIN, foreign bodies

sewing needle in inf. causing abscess & death (Hum))

KASSAI, Ervin

Air-conditioning plant for the textile industry with high  
atmospheric humidity. Epuletgepeszet 12 no.3/4:102-111 Je '63.

1. KIPTERV.

KASSAI, F.

KASSAI, F. - Banyaszati Lapok - Vol. 10, no. 5, May 1955.

Ten years' development of our mining. p. 225

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept, 1955  
Uncl.



KASSAI, F.

Highly efficient capital goods in civil engineering, p. 343,  
MELYLPITESTUDONANYI SZEMLE (Kozlekedsi Kiado) Budapest. Vol. 6,  
No. 7/8. July/August.1956.

Source: East European Accessions List (EEL) Library of Congress,  
Vol. 5, No. 11, November 1956.

KASSAI, F.

It is necessary to support the innovator's movement in mining! p. 8  
UJITOK LAPJA. Budapest. Vol. 7, No. 17, Sept, 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

CSAJAGHY, Gabor; BOZSONY, Denes; PICHLER, Jancs; KASSAI, Ferenc;  
GYORGY, Istvan; SZABO, Pal Zoltan; DEVENY, Istvan (Szeged);  
KIRALY, Lajos (Miskolc); ZIEGLER, Karoly; PAPP, Szilard;  
SCHMIDT, Eligius Robert; GALLI, Laszlo; VAJDA, Jozsef;  
RONAI, Andras; ILLES, Gyorgu; OLLIOS, Geza; FINALY, Lajos;  
MOSONYI, Emil; PAPP, Ferenc

Minutes of the December 19, 1958 general meeting arranged by  
the Hungarian Hydrological Society, Hidrologiai kozlony 39  
no.5:394, 401-404 O '59.

1."Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for  
Csaajaghy, Gyorgy, Szilard Papp, Ferenc Papp, Schmidt and  
Galli). 2. Orszagos Vizugyi Foigazgatosag (for Ziegler).

KASSAI, Ferenc, dr., a muszaki tudományok kandidátusa; ~~FILK, Andre~~

Optical methods and instruments in deep drilling. Hidrológiai köz-  
löny 43 no.2:122-129 Ap '63.

1. Országos Földtani Felügyelőség, Budapest.

KASSAI, Ferenc, dr. inz. Cs.

Drilling and hydraulic problems of the drainage of water-bearing sands subject to high pressure. Study 12 no.7/8:239 Ji-Ag'68  
(MIRA 1788)

1. State Central Geologic Institute, Hungary.

KASSAI, Ferenc, Dr.

Pal Mazalan, May 29, 1891 - December 3, 1959; obituary. Bany lap 93  
no. 3:212-214 Mr 60.

KASSAI, Imre, terveloado

Questions of reutilizing the openworks and dumps in the southern coal basin of the Mecsek Mountains. Erdo 12 no.3:106-116 Mr '63.

1. Mecseki Allami Erdogazdasag, Pecs.

KASSAI, Imre, terveloado

Thoughts on the economy of the production of wood product  
selections. Erdo 13 no. 2: 53-59 F '64.

1. Mecseki Allami Erdogaydasag, Pecs.



KASSAI, Jeno, tudomanyos munkatars

Thoughts on the possibilities for increasing labor productivity  
in wood-using industries. Erdo 14 no.4:180-183 Ap '65.

1. Scientific Institute of Forestry, Budapest.

KASSAI, Lajos, okl. banyamernok

Evaluation of the pressure rise curves of producing wells. Bany lap  
93 no. 10:703-715 0 60.

1. Koolajipari Troszt, Laboratoriumi Foosztaly.

KASSAI, Lajos, okl. banyamernok

Evaluation of the pressure rise curves of producing wells. (To be contd.)  
Bany lap 93 no. 11:775-784 N 60.

1. Koolajipari Troszt, Laboratoriumi Foosztaly, Budapest.

KASSAI, Lajos, okl. banyamernok

Evaluation of the pressure rise curve of producing wells. Bany  
lap 93 no. 12:849-856. D'60.

1. Koolajipari Troszt, Laboratoriumi Foosztaly, Budapest.

KASSAI, Lajos, okleveles banyamernok

An account of the 2d National Conference on Natural Gas at Miskolc.  
Bany lap 95 no.10:681-683 0 '62.

1. Orszagos Koolaj- es Gazipari Troszt.

KASSAI, Lajos, okleveles bányamérnök

Principal questions relating to the natural gas mining in the Great Hungarian Plain. Bány lap 95 no.12:835-844 D '62.

1. Országos Kőolaj- és Gázipari Tröszt, Tudományos Kutató és Fejlesztési Főosztály, Budapest.

KERTAI, Gyordy, dr., okleveles geologus, a föld- és asvanytani tudományok  
kandidátusa, Kossuth-díjas főgeologus; KASSAI, Lajos, okleveles  
bányamérnök.

Correlation between the geologic structure and production system  
of petroleum and natural gas reservoirs. Bány lap 96 no.10:  
733-737 0'63.

1. Országos Koolaj - és Gázipari Troszt osztályvezetője, Buda-  
pest (for Kassai.)

CZOTTNER, Sandor; KERTAI, Gyorgy, dr.; DANK, Viktor, dr.; HENCZE, Laszlo;  
KASSAI, Lajos; BUCSKO, Eva; GALAMBOS, Istvan; NAGY BIRO, Sandor;  
TOTI, Janos; NEDEA, Ede; TAKACS, Pal, dr.; SIPOS, Janos; BERECHKY,  
Tamas; HALMAY, Jeno; KERESZTES, Matyas, dr.; CORNIDES, Istvan;  
BALLA, Sarolta

The 2d Hungarian Conference on Natural Gas. Ipari energia 3  
no.10:225-231 0 '62.

1. Nehezipari miniszter (for Czottner).



JOKAY, I.; KISS, Antonia; KASSAI, L.

Effect of cysteine on local Shwartzman phenomenon. Acta microbiol.  
acad. sci. Hung. 11 no.1:29-33 '64.

1. Institute of Pathophysiology (Director: L. Kesztyus), University  
Medical School, Debrecen.

TORCK, Janos, okleveles vegyész; RACZ, Daniel, okleveles olajmérnök; KASSAI,  
Lajos, okleveles bányamérnök

Principles of sampling from hydrocarbon deposits. Bany lap 98 no.2:  
125-129 F '65.

1. Department of Research and Development of the National Petroleum  
and Gas Industry Trust, Budapest.

SZILAGYI, T.; CZABA, B.; MILTENYI, L.; KASSAI, L.

Hypothermia and horse serum anaphylaxis. Acta microbiol. acad.  
sci. Hung. 11 no.4:399-402 '64-'65

1. Institute of Pathophysiology (Director: L. Kesztyus), Uni-  
versity Medical School, Debrecen.

L 13513-66 EWA(j)/T/EWA(b)-2 JK

ACC NR: AP6007051

SOURCE CODE: HU/0018/65/017/003/0322/0325

AUTHOR: Szilagyi, Tibor--Siladi, T.; Csaba, Bela--Chaba, B.; Miltenyi, Laszlo--  
Milteni, L.; Kassai, Laszlo--Kashshai, L.

ORG: Medical University of Debrecen, Institute of Pathophysiology (Debreceni  
Orvostudományi Egyetem, Korelettani Intézet)

TITLE: Hypothermia and horse serum anaphylaxis *44 S*

SOURCE: Kiserletes orvostudomány, v. 17, no. 3, 1965, 322-325

TOPIC TAGS: experiment animal, hypothermia, blood serum, animal physiology,  
pathology

ABSTRACT: Guinea pigs were sensitized with horse serum and different serum  
fractions were injected to induce shock. It was found that beta-globulin has  
the most pronounced anaphylactogenic effect. It was also shown that in the  
hypothermic state guinea pigs sensitized with horse serum become desensitized to  
the serum fractions with a weak anaphylactogenic effect but not to those with  
a strong one. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 15Aug64 / ORIG REF: 004 / OTH REF: 001

Card 1/1 *SR*

Kassai, P.

Planning and control of material norms  
in the clothing industry. p. 192.  
MAGYAR TEXTILTECHNIKA. (Textilipari  
Muszaki es Tudomanyos Egyesulet)  
Budapest.  
No. 5, May 1956

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

KASSAI, Peter, Dr.

Natural and artificial feeding. Gyermekgyógyászat 9 no.4-6:118-121  
Apr-June 58.

1. Budapest Főváros Madarasz utcai csecsemo- és gyermekkorhaza (igazgató-  
főorvos: Kemeny Pal dr.) csecsemoosztályának (osztályvezető főorvos:  
Adler Tivadar dr.) közleménye.

(INFANT NUTRITION

artif. & natural feeding (Hun))

MAGASI, Peter Dr.; KASSAI, Peter, Dr.

A case of megaloureter in a 3 month old infant. Magy. sebeszet 11  
no.2:163-168 Apr-June 58.

1. A Budapesti Orvostudományi Egyetem Urológiai Klinikájának (Igazgató:  
Dr. Bablos Antal egyetem tanár) és Budapest Főváros Madarasz utcai  
Csecsemo és Gyermek Kórháza (Igazgató: Dr. Kapus Gyula, az orvostudományok  
kandidátusa) csecsemo Osztályának (Főorvos: Dr. Adler Tivador) közleménye.  
(URETERS, abnorm.

megaloureter in 3 month old inf. (Hun))

HUNGARY

BUKOVINSZKY, Janos, Dr, WEIN, Geza, Dr, KASSAI, Peter, Dr, STREHLINGER, Lajos, Dr; Budapest XIII. District Madarasz Street Infant and Children Hospital (director: KEMENY, Pal, Dr), Surgical Ward (chief physician: STREHLINGER, Lajos, Dr) (Budapest XIII. Ker. Madarasz Utcai Csecsemo es Gyermekkorhaz).

"Successful Surgery of Gastroschisis."

Budapest, Magyar Sebeszet, Vol XVI, No 3, June 1963, pages 192-195.

Abstract: [Authors' German summary] The authors report a case of gastroschisis which was successfully corrected by surgery. The prolapse of the small and large intestines which, for four hours, protruded on the right side of the navel was replaced into the abdomen and the abdominal wall was closed successfully. From the 14 cases reported in the literature, this is the sixth patient who survived. 1 Eastern European, 7 Western references.

1/1



BUKOVINSZKY, Janos, dr.; WAIN, Geza, dr.; KASSAI, Peter, dr.;  
STREHLINGER, Lajos, dr.

Successfully operated case of gastroschisis. Magy. sebészet 16  
no. 3:192-195 Je '63

1. Budapest XIII. ker. Madarasz utcai Csecsemo-es Gyermekkórház  
(igazgató: Kemeny Pal dr.) Sebészeti osztályának (főorvos:  
Strehlinger Lajos dr.) közleménye  
(INFANT, NEWBORN-DISEASES) (STOMACH)

TARJAN, Robertne; KASSAI, Stefania, dr.

Effect of continuous administration of ascorbic acid in industrial workers. Orv hetil 95 no.21:577-580 Ny '54. (MEAL 3:8)

1. Az Országos munkaesegsegugyi Intezet (igazgato: Timar Miklos dr.) kozlmenye.

(VITAMIN C, eff.

\*on cold resist., prolonged admin. in indust. workers)

(COMMON COLD; prev. & control

\*vitamin C, resist. in indust. workers after prolonged admin.)

(INDUSTRIAL HYGIENE

\*cold prev. by prolonged admin. of vitamin C, results)

KASSAI, Stefanie

On the physical development of Budapest school children. Acta  
med. hun. 15 no.1:197-205 '60.

1. I. Kinderklinik der Medizinischen Universität, Budapest.  
(GROWTH)

GERLOCZY, F.; BENCZE, B.; KASSAI, Stefania; BARTA, L.

New data on the protective vascular role of vitamin E in children.  
Acta paediat. acad. sci. Hung. 2.no.3:217-226 '61.

1. Clinique de Pediatrie No. I (Directeur: Pr. P. Gegesi Kiss) de  
l'Universite Medicale de Budapest.

(VITAMIN E therapy)  
(THROMBOPHEBITIS in inf & child)  
(DIABETES MELLITUS in inf & child)  
(SKIN pathol)  
(NECROSIS in inf & child)

GERLOCZY, Ferenc, dr.; BENCZE, Bela, dr.; KASSAI, Stefania, dr.; BARTA, Lajos, dr.

Recent data on the vaso-protective role of vitamin E in children.  
Gyermekgyógyászat 12 no.8:225-233 Ag '61.

1. A Budapesti Orvostudományi Egyetem I sz. Gyermekklinika-jának  
(Igazgató: Gegesi Kiss Pál dr. akadémikus, egyetemi tanár) közleménye.

(VASCULAR DISEASES PERIPHERAL ther)  
(VITAMIN E ther)

HUNGARY/Diseases of Farm Animals - Diseases Caused by Helminths.

R-3

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50221

Author : Kassai, Tibor

Inst :

Title : Investigations of Focal Helminthic Pneumonia in Sheep.

Orig Pub : Magyar allatorv. lapja, 1957, 12, No 3, 66-73.

Abstract : Pathological changes in the lungs caused by protostrongy-  
lids (Cystocaulus ocreatus, Mullerius capillaris, Protos-  
trongylus spp.) are described. The specific character of  
these modifications is emphasized.

Card 1/1

HUNGARY/Diseases of Farm Animals - Diseases Caused by Helminths. R.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26323

Author : Kassai, Tibor

Inst :

Title : Investigations of Pulmonary Foci in Sheep Helminthiasis.  
III. Intermediate Hosts of Protostrongylus armatus in  
Our Country.

Orig Pub : Magyar allatorv. lapja, 1957, 12, 169-170

Abstract : The epizootiological significance of ground mollusks,  
Helicella obvia, Zebrina detrita, Theba carthusiana,  
Cepaea vindobonensis, Helix pomatia, Abida frumentum,  
which appear as obligatory hosts of Cystocaulus ocrea-  
tus, Protostrongylus rufescens and Muellerius capil-  
laris, is investigated.

Card 1/1

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COUNTRY : HUNGARY.  
 CATEGORY : Zoological Parasitology. Parasitic Worms. G  
 General Problems.  
 ABS. JOUR. : RZhNiol., No. 14, 1959, No. 62618.  
 AUTHOR : Kassai, T.; Hollo, F.  
 INST. :  
 TITLE : Study of the Nidi in Pulmonary Helminthiasis  
 of Sheep. V. Differential Diagnosis of the  
 1st Stage Larvae of Pulmonary Helminths in\*  
 ORIG. PUB. : Magyar allatorv. lapja, 1957, 12, No. 7-9,  
 232-234.  
 ABSTRACT : No abstract.

CARD: 1/1

\*Sheep of Hungary.

~~Pathogenesis of Cysticercus ovis~~

Orig Pub : Magyar allatorv. lapja, 1957, 12, No 11,  
 333-337

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721030007-1

Abstract : No abstract given

Card 1/1



COUNTRY : HUNGARY R  
CATEGORY : Diseases of Farm Animals. Diseases Caused  
by Helminths  
ABS. JOUR. : RZhBiol., No. 6 1959, No. 26020  
AUTHOR : Kassai, T.  
INST. :  
TITLE : Treatment of Lung Helminthiases in Sheep with  
Ditrazine Phosphate  
ORIG. PUB. : Magyar allatorv. lapja, 1956, 13, No 1, 9-13  
ABSTRACT : The twofold subcutaneous administration of ditra-  
zine phosphate in 1:3 aqueous solution in a dose  
of 0.2 g/kg with an interval of 24 hours showed  
good effectiveness in dictyocaulosis of sheep.  
Extensity effectiveness of the preparation,  
according to data obtained by larvoscopy and  
autopsies, was higher than 80%, and intensity  
effectiveness fluctuated within 90-100%. The  
CARD: 1/2

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KASSAI, Tibor, dr., az allatorvostudományok kandidátusa; HOLLO, Ferenc, dr.

Investigations in cattles infected with dictyocaulus.  
Magy allatorv lap 17 no.7:257-262 JI '62.

1. Allatorvostudományi Főiskola Helminológiai Kutató  
Laboratóriuma. Vezető: Kotlán Sándor dr., egyetemi tanár,  
akadémikus, "Magyar Allatorvosok Lapja" szerkesztő bizottsági  
tagja. 2. "Magyar Allatorvosok Lapja" főszerkesztője (for  
Hollo).

KASSAI, Tibor, dr., az allatorvostudományok kandidátusa

On the life span of Protostrongylidae. Magyar allatorv  
lap 17 no.7:262-264 JI '62.

1. Allatorvostudományi Főiskola Helminológiai Kutató  
Laboratóriuma. Vezető: Kotlán Sándor dr., egyetemi  
tanár, akadémikus, "Magyar Allatorvosok Lapja" szerkesztő  
bizottsági tagja.

HUNGARY

KASSAI, Tibor, Dr, Candidate in Veterinary Sciences; and HOLLO, Ferenc, Dr; Helminthological Research Laboratory at the University of Veterinary Sciences (Allatorvostudományi Egyetem Helminthológiai Kutató Laboratóriuma); chief of the Laboratory: professor Dr Sandor KOTLAN, Academician

"The Effects of Loxuran (Diethylcarbamazine Citrate) on Ovine Lung Worms."

Budapest, Magyar Allatorvosok Lapja, Vol 18, No 4, Apr 63, pp 163-165

Abstract [Authors' English summary modified]: Loxuran, applied in a 20-percent aqueous solution intramuscularly in a dose of 0.02 g/kg and repeated 24 hours later, reduces the intensity of moderate Dictyocaulus infestation by 96 to 99 percent, and its extensity by 85 to 93 percent. Increasing the dose to 0.03 g/kg did not raise the effect of the drug significantly. No side effects were observed. Ewes in advanced pregnancy should not be treated. Doses of 0.02 to 0.20 g/kg proved ineffective against Protostrongylidae. 22 references, including 6 Hungarian, 8 Russian, 1 Rumanian, 2 Czech, and 5 Western.

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